

## ER-2 #806 06/09/17

**Aircraft:** [ER-2 - AFRC #806](#) ([See full schedule](#))

**Flight Number:** 17-6040

**Payload Configuration:** AVIRIS-C and MASTER

**Nav Data Collected:** Yes

**Total Flight Time:** 3.1 hours

**Comments:** Took off at 1806 GMT; landing at 2113 GMT for a 3.1 hour mission. The pilot did not see any fail lights or have any issues with the AVIRIS-C and MASTER instruments. Instrument operations went as expected. Reversing the pod heater blowers and tightening the window port bolts fixed the pod pressurization and temperature issue. Pod pressure and temperature now at normal values. Line SB24A had 50% cloud coverage; Line SB24B had 25% cloud coverage. Lines SB31A, SB31B, SB34A, and SB34B had 10% cloud coverage. At 2043 GMT, the decision was made to RTB because of the increase in clouds over the science target area. Greg "Coach" Nelson was the pilot.

**Submitted by:** Kevin Walsh on 06/12/17

### Flight Segments:

<b>From:</b>	Palmdale, CA	<b>To:</b>	Palmdale, CA
<b>Start:</b>	06/09/17 18:06 Z	<b>Finish:</b>	06/09/17 21:13 Z
<b>Flight Time:</b>	3.1 hours		
<b>Log Number:</b>	<a href="#">172036</a>	<b>PI:</b>	Robert Green
<b>Funding Source:</b>	Jack Kaye - NASA - SMD - ESD Director Research and Analysis		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	The purpose of the second HyspIRI-CA flight for FY17 was to fly the Santa Barbara Box.		

### Flight Hour Summary:

	162034	172036
<b>Flight Hours Approved in SOFRS</b>	45	
<b>Flight Hours Previously Approved</b>		9.9
<b>Total Used</b>	35.1	46.6
<b>Total Remaining</b>		-36.7

### 172036 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">06/07/17</a>	17-6039	Science	5.7	5.7	4.2	
<a href="#">06/09/17</a>	17-6040	Science	3.1	8.8	1.1	
<a href="#">06/12/17 - 06/13/17</a>	17-6041	Science	7.6	16.4	-6.5	
<a href="#">06/13/17</a>	17-6042	Science	6.6	23	-13.1	
<a href="#">06/14/17</a>	17-6043	Science	5.8	28.8	-18.9	
<a href="#">06/20/17</a>	17-6044	Science	5.3	34.1	-24.2	
<a href="#">06/22/17</a>	17-6045	Science	5.2	39.3	-29.4	
<a href="#">06/28/17</a>	17-6047	Science	7.3	46.6	-36.7	

**Source URL:** [https://airbornescience.nasa.gov/flight\\_reports/ER-2\\_806\\_06\\_09\\_17#comment-0](https://airbornescience.nasa.gov/flight_reports/ER-2_806_06_09_17#comment-0)

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*Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.*

### 162034 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">06/09/16</a>	16-6026	Science	4.7	4.7	40.3	

<a href="#">06/15/16</a>	16-6027	Science	3	7.7	37.3
<a href="#">06/16/16</a>	16-6028	Science	7.6	15.3	29.7
<a href="#">06/17/16</a>	16-6029	Science	5.1	20.4	24.6
<a href="#">06/20/16</a>	16-6030	Science	6.6	27	18
<a href="#">06/21/16</a>	16-6031	Science	8.1	35.1	9.9